Client's ref.: TSMC-2003-0806

File: 0503-A30237US/final/Shawn/Steve

ABSTRACT OF THE DISCLOSURE

Apparatus and method for metal electroplating. The apparatus for metal electroplating includes an electroplating tank for containing an electrolyte at a first temperature, a substrate holder for holding a semiconductor substrate, and a heater for heating the portion of the electrolyte adjacent to the substrate holder to a second temperature higher than the first temperature.